



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
SUPERFUND SITE STRATEGY RECOMMENDATION - REGION 06



Site Name: Metal Coatings Corp CERCLIS ID#: TXD072181969

Alias Site Names: \_\_\_\_\_

Address: 3720 Dunvale Avenue

City/County or Parish/State/Zip Code: Houston, Harris County, Texas

Report Type, Date, and Author: Preliminary Assessment (PA) July 21, 1992, ICF Technology Inc. by Kevin Jaynes

**RECOMMENDATION**

☐ 1. Site Evaluation Accomplished (SEA)

☒ 2. Further Investigation Needed Under Superfund

☐ PA ☐ HRS Priority: ☐ High

☐ SI ☐ RA ☒ Low

☐ ESI ☐ RI/FS

☒ Other: Focused S.I.

To be performed by: ARCS

☐ 3. Action Deferred to:

☐ RCRA ☐ NRC

**NOTIFY AUTHORITY:**

☐ Removal

☐ RCRA

☐ TSCA

☐ CAA

☐ SMCRA

☐ Remedial

☐ State

☐ NPDES

☐ NRC

☐ Resource Trustee: \_\_\_\_\_

☐ CERCLA Enforcement ☐ Federal Facility

☐ UIC

☐ SPCC

☐ Other: \_\_\_\_\_

SEND REPORT COPIES TO: ☒ 6E-E ☒ 6W-SP ☒ ATSDR ☒ State Agency ☐ Other

**DISCUSSION:** I.C.F and MK Environmental Services completed a Preliminary Assessment on July 21, 1992 on this active electroplating, metal finishing facility.

The solvent wastes used in this operation have contained heavy metals including cyanide and cadmium, phosphates and acids. In July of 1988 the city of Houston tested the soil which showed areas where cadmium was above the EPA toxicity standards. In October, of the same year, these contaminated soils were excavated, stored and subsequently removed from the site. Although cadmium electro plating was discontinued in 1988 the site is still a concern for possible contamination for the following reasons:

1. Cadmium is extremely mobile in water and cyanide very toxic.
2. The soils are highly permeable and subject to heavy rains.
3. There are 15 wells identified within 4 miles serving approximately 87,00 persons.
4. The concern for contaminated materials, including cyanide, used in the current plating operation, being transported via ground and surface waters since runoff and flooding is poorly contained and diverted to three storm sewers as is the overland flow to Buffalo Bayou 1.3 miles distant.
5. A 2,000 gallon sludge evaporator has no engineered containment device and there is a possible vapor release of cyanide and acidic fumes which could be particularly reactive to the 26 on-site employees and the adjacent residential populace.

A Focused Site Inspection should determine if the current operation is sufficiently contained to negate the threat to a large potential target population.

90068871



**APPROVALS:**

Report Reviewed by:

Signature:

*Paul M. H. Sonnier*

Date: 09-29-92

Disposition Recommended by: Eddie A. Sierra  
(Section Chief)

Signature:

*Eddie A. Sierra*

Date: 09/29/92

Disposition Approved by: Betty Williamson  
(Branch Chief)

Signature:

*Betty Williamson*

Date: 10/7/92